

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number  
**WO 2005/095723 A1**

(51) International Patent Classification<sup>7</sup>: E03D 9/06, A47K 11/10

(21) International Application Number: PCT/SE2005/000378

(22) International Filing Date: 16 March 2005 (16.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0400893-4 2 April 2004 (02.04.2004) SE

(71) Applicant (for all designated States except US): MULTIVENT CONSTRUCTION AB [SE/SE]; Torsgatan 43, S-113 62 Stockholm (SE).

(72) Inventor; and

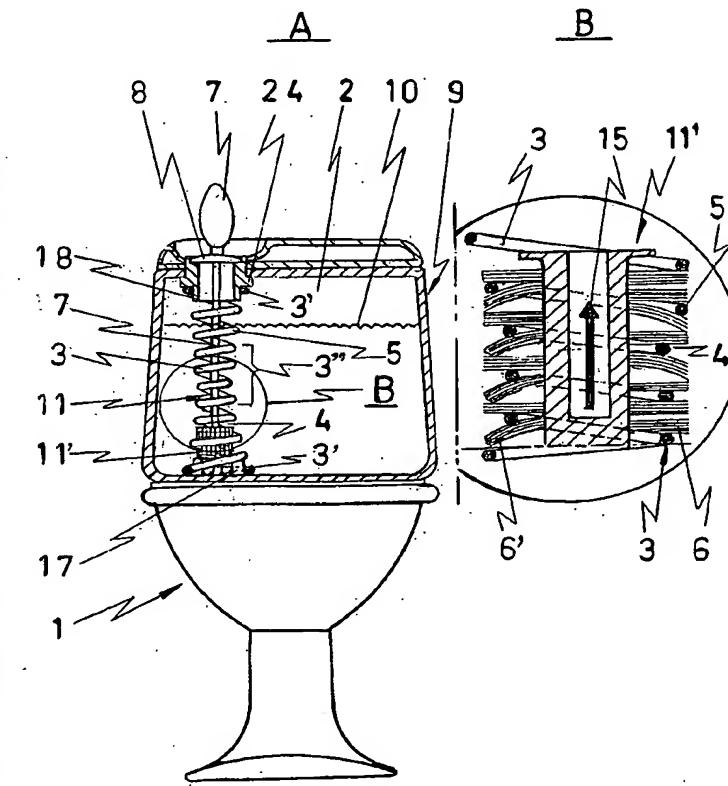
(75) Inventor/Applicant (for US only): GRÖNDALH, Sven, Algot [SE/SE]; Torsgatan 43, S-113 62 Stockholm (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*[Continued on next page]*

(54) Title: CLEANING DEVICE FOR A WATER CLOSET



WO 2005/095723 A1

(57) Abstract: A combined storing and cleaning device for toilets (1) including a brush (11) with a brush head (11') provided with radially extending bristles (6). The device has a wall structure encompassing the brush (7) allowing same to move axially (15) within the wall structure, in storage position accomodating the head (11) at the lower portion (3') of the structure (3). The structure preferably is a circular cylindric wall structure (3, 4, 5) comprising openings (4) with intermediate wall portions (5), of which at least one axially extending area (3'') has an inner diameter smaller than the outer diameter of the brush head (11') so as to cause the bristles (6) to be momentarily bent (6) by said wall portion (3'') when the brush (7) is moved in the structure (3, 3'') to then flip back (6) when reaching an opening (4), the bristles (6) thus being subjected to a cleaning action. The structure is submersed in water to such level (10) that at least the head (11) of the brush (11) be covered in storage position.



**Published:**

— *with international search report.*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*